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[Continued on nextpage]

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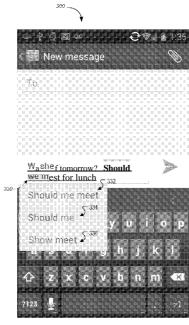


Fig. 3C

(57) Abstract: A method for providing suggestions includes capturing audio that includes speech and receiving textual content from a speech recognition engine. The speech recognition engine performs speech recognition on the audio signal to obtain the textual content, which includes one or more passages. The method also includes receiving a selection of a portion of a first word in a passage in the textual content, wherein the passage includes multiple words, and retrieving a set of suggestions that can potentially replace the first word. At least one suggestion from the set of suggestions provides a multi-word suggestion for potentially replacing the first word. The method further includes displaying, on a display device, the set of suggestions, and highlighting a portion of the textual content, as displayed on the display device, for potentially changing to one of the suggestions from the set of suggestions.





Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(H))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(Hi))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKOMPASS(KIPO internal) & Keywords: speech, text, select, word, suggestion, and similar terms.

TO BE RELEVANT DOCUMENTS CONSIDERED

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 7,149,970 Bl (PRATLEY, C. et al.) 12 December 2006	1
A	See column 11, lines 13 - 41; column 12, line 43 - column 13, line 56; claims 1 and 5; and figures 3~6b and 8.	2-27
Y	US 2011-0202836 Al (BADGER, E. N. et al.) 18 August 2011 See paragraphs [0045]-[0056] and [0064]-[0072]; claims 1-2; and figures 1-4.	1
A	US 2007-0011012 Al (YURICK, S. et al.) 11 January 2007 See paragraphs [0028]-[0029] , [0038] -[0039] , and [0047] -[0056] ; claims 1 and 5-6; and figures 2 and 4-5.	1-27
A	US 2010-0179801 Al (HUYNH, S. et al.) 15 July 2010 See paragraphs [0064] and [0177]-[0187]; claim 12; and figures 11-12.	1-27
A	US 2010-0287486 Al (CODDINGTON, N.) 11 November 2010 See paragraphs [0021]-[0022] ; claims 1 and 9; and figure 5.	1-27

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
us 7,149,970 B1	12 . 12 . 2006	CN 1259632 CO CN 1335571 AO JP 2002- 117026 A	14. 06 .2006 13 .02 .2002 19 .04 .2002
us 2011-0202836 A1	18 .08 .20 11	CN 102 141889 A US 2011-20 1387 A1 US 2011-202876 A1	03.08.201 1 18.08.201 1 18.08.201 1
us 2007-00 110 12 A1	11.01.2007	None	
US 2010-0 179801 A1	15 .07 .20 10	None	
us 2010-0287486 A1	11.11.2010	None	